

FIG.1

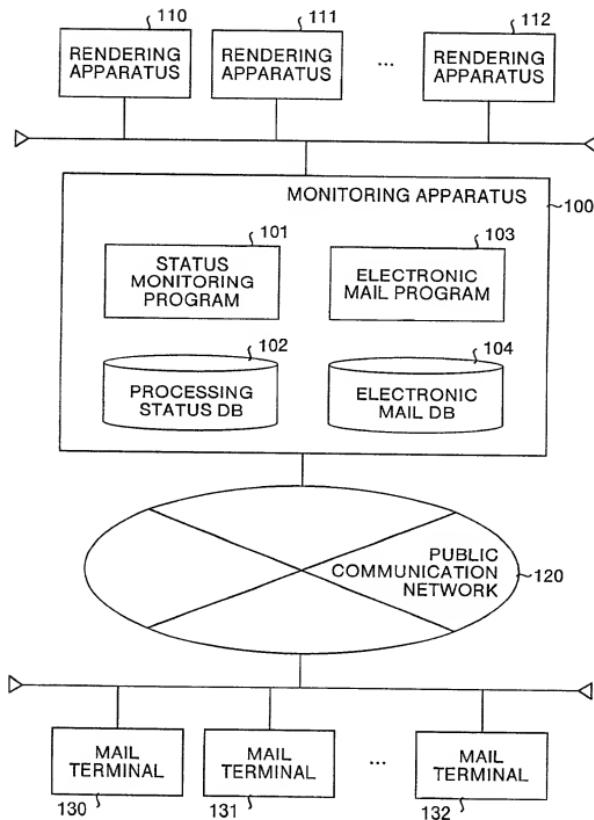


FIG.2

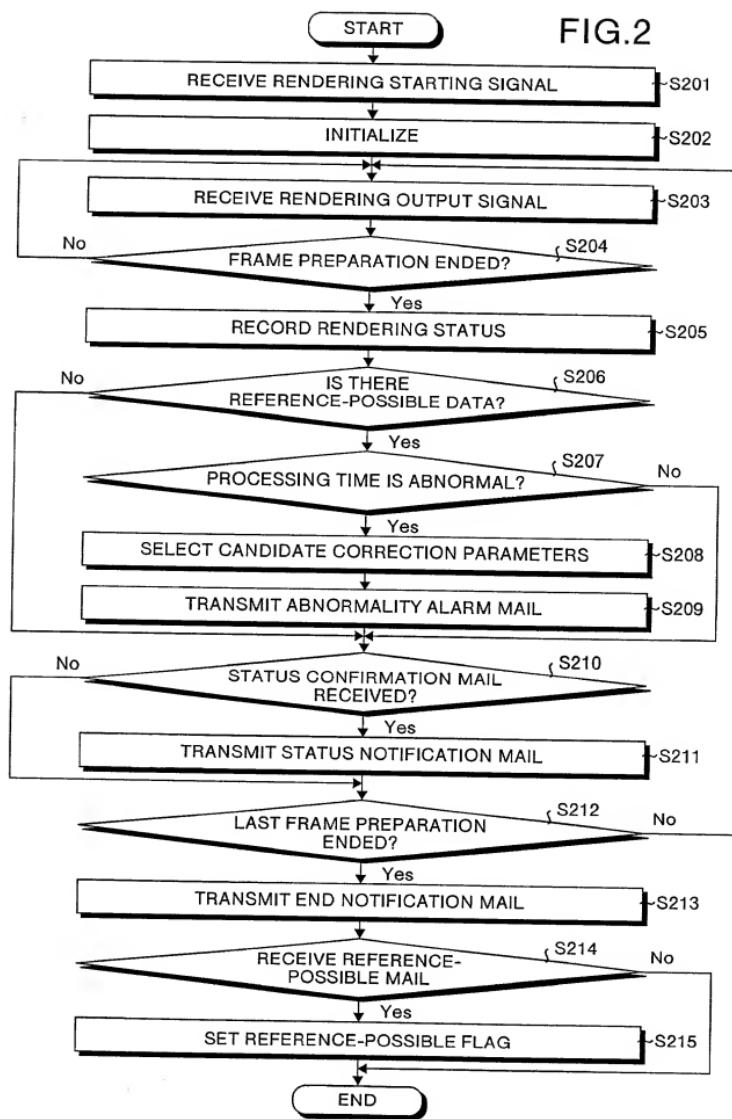


FIG.3

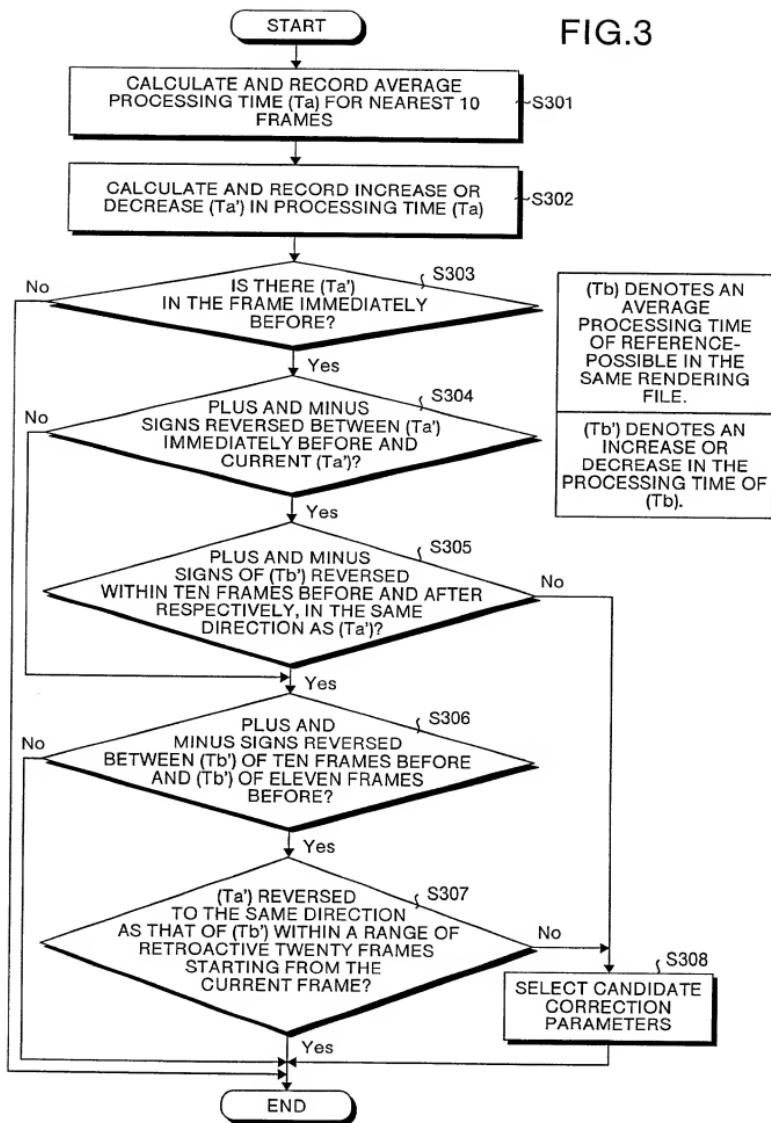


FIG.4

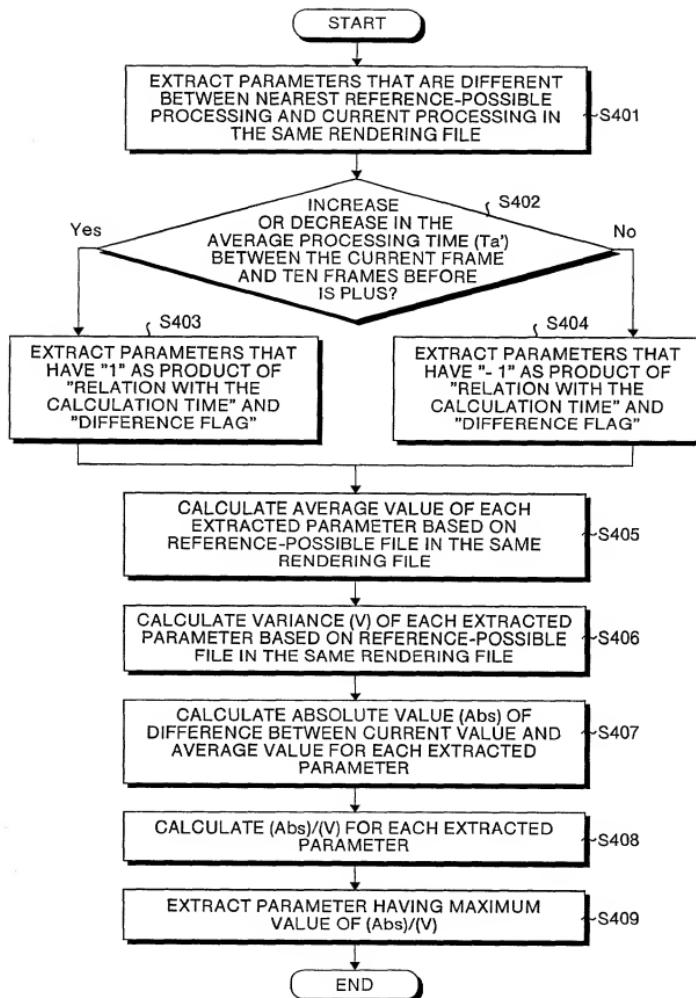


FIG.5

```
> Rendering ID: 013
> User and Host: watanabe on Host-A
> Start time: 2001.06.20 21:36
> Renderer: NormalRender
> Project: ProjectA
> RenderData: /usr/wata/data/rnd02
> Resolution: 720 x 486
> AntiAliasLevel: 3
> SubDivisionLevel: 2
> MotionBlurLevel: 2
> BackFaceCull: 0
> ShadowLevel: 3
> Refraction: 2
> Refraction: 2
> Frames: 1 to 3600 by 2
> Output file: /usr/wata/img/rnd02
Now rendering --> 123 / 1800
Latest memory --> 98,320 (kb)
Total time --> 02d08h13m28s
Average time --> 00h24m13s
Latest time --> 00h19m28s
Rest time --> 03d19h51m
```

~500

FIG.6

To: rndobsr@mail.fujitsu.com
Sub: CHK RND STAT

~600

USR: watanabe
PSWD: 0529
RENDERING ID: 013
RTNID: 09012345678@phone.ne.jp
FILE: attach

FIG.7

To: 09012345678@phone.ne.jp
 Sub: Render status of watanabe ~700

> Rendering ID: 013
 > User and Host: watanabe on Host-A
 > Start time: 2001.06.20 21:36
 > Renderer: NormalRender
 > Project: ProjectA
 > RenderData: /usr/wata/data/rnd02
 > Resolution: 800 x 600
 > AntiAliasLevel: 3
 > SubDivisionLevel: 1
 > MotionBlurLevel: 3
 > BackFaceCull: 0
 > ShadowLevel: 1
 > Refraction: 3
 > Refraction: 2
 > Frames: 1 to 3600 by 2
 > Output file: /usr/wata/img/rnd02
 Now rendering --> 123 / 1800
 Latest memory --> 98,320 (kb)
 Total time --> 02d08h13m28s
 Average time --> 00h24m13s
 Latest time --> 00h19m28s
 Rest time --> 03d19h51m

 File --> attached

FIG.8

To: 09087654321@phone.ne.jp
 Sub: Rendering Time Alarm ~800

This is an alert mail for your rendering.

Your rendering ID [013] on [Host-A] deviate from expected rendering time curve on frame [122].

You changed following parameters after the last rendering.
 -ResolutionX [640] → [800]
 -ResolutionY [480] → [600]
 -AntiAliasLevel [2] → [3]
 -SubDivisionLevel [2] → [1]
 -MotionBlurLevel [1] → [3]
 -BackFaceCull [1] → [0]
 -ShadowLevel [2] → [1]
 -Refraction [2] → [3]

Most probable parameter you need to change might be [MotionBlurLevel].

And, you better check [Refraction], [AntiAliasLevel], [ResolutionX], [ResolutionY], [BackFaceCull].

FIG.9

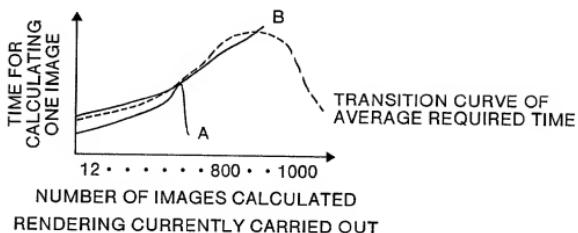
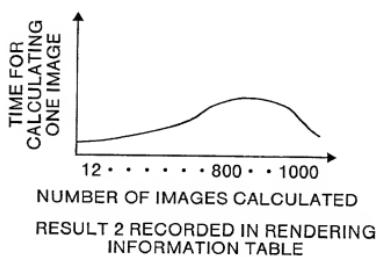
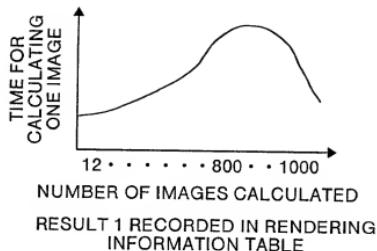


FIG.10

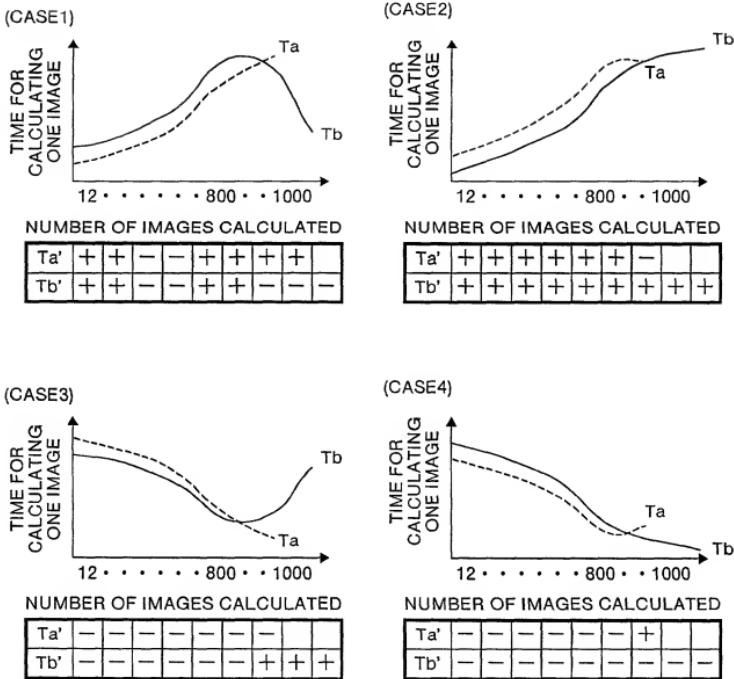


FIG.11

RENDERING IDENTIFIER	USER	RENDERING FILE	RENDERING INFORMATION RECORD FILE	RENDERING IMAGE FILE	REFERENCE FLAG
001	Watanabe	/usr/wata/data/rnd01	/global/rnd_check/wata01052900	/usr/wata/img/rnd01	0
002	Watanabe	/usr/wata/data/rnd02	/global/rnd_check/wata02052901	/usr/wata/img/rnd02	1
004	Aoki	/usr/aoki/data/test01	/global/rnd_check/aoki01052900	/usr/aoki/img/test01	0
008	Watanabe	/usr/wata/data/rnd02	/global/rnd_check/wata01060300	/usr/wata/img/rnd02	1
009	Tanaka	/usr/tnk/data/rnk001	/global/rnd_check/tanaka01060300	/usr/tnk/img/rnk001	1
010	Satoh	/usr/sato/data/rend_tst	/global/rnd_check/sato01060500	/usr/sato/img/rend_tst	0
012	Tanaka	/usr/tnk/data/rnk001	/global/rnd_check/tanaka01062000	/usr/tnk/img/rnk001b	1
013	Watanabe	/usr/wata/data/rnd02	/global/rnd_check/wata01062000	/usr/wata/img/rnd02	1
014	Watanabe	/usr/wata/data/rnd03	/global/rnd_check/wata01062001	/usr/wata/img/rnd03	1

FIG.12

FRAME NUMBER	RENDERING TIME
1	0h12m23s
2	0h12m48s
3	0h13m02s
4	0h13m26s
5	0h13m54s
:	:
238	0h08m12s
239	0h08m15s
240	0h08m03s

FIG. 13

FRAME NUMBER	AVERAGE TIME Tb	INCREASE OR DECREASE IN PROCESSING TIME Tb	AVGÉAGE OF NEAREST TEN FRAMES Ta	INCRÉSÉ OR DECREASE IN PROCESSING TIME Ta	
				**	**
1	0h08m02s	**			
2	0h08m09s	+7		**	**
3	0h08m12s	+33		**	**
4	0h09m13s	+31		**	**
5	0h09m39s	+26		**	**
:	:	:	:	:	:
119	0h14m02s	+17	0h13m00s	+12	
120	0h14m14s	+12	0h13m15s	+15	
121	0h14m36s	+22	0h13m22s	+7	
122	0h15m00s	+24	0h10m53s	-149	
123	0h15m06s	+6	CALCULATING		
206	0h15m11s	+5			
207	0h15m03s	-8			
208	0h14m58s	-5			
209	0h14m50s	-8			
210	0h14m22s	-28			
:	:	:	:	:	
238	0h06m46s	-16			
239	0h06m32s	-14			
240	0h06m11s	-21			

FIG.14

The diagram shows a table with two callout lines. The left callout, labeled 1401, points to the header of the first column, 'PARAMETER'. The right callout, labeled 1400, points to the header of the second column, 'RELATION WITH CALCULATION TIME'.

PARAMETER	RELATION WITH CALCULATION TIME
Resolution X	1
Resolution Y	1
AntiAliasLevel	1
SubDivisionLevel	1
MotionBlurLevel	1
BackFaceCull	-1
ShadowLevel	1
Refraction	1
Refraction	1

FIG.15

PARAMETER	CURRENT VALUE	NEAREST VALUE	DIFFERENCE	"RELATION WITH TIME"	AVERAGE	VARIANCE	ABSOLUTE VALUE OF CURRENT VALUE - AVERAGE	ABSOLUTE VALUE OF VARIANCE / VARIANCE
ResolutionX	800	640	1	1	544.0	576.0	286.0	0.444
ResolutionY	600	480	1	1	408.0	432.0	192.0	0.444
AntiAliasLevel	3	2	1	1	1.6	2.4	1.4	0.583
SubDivisionLevel	1	2	-1	-1	2.0	2.0	1.0	0.500
MotionBlurLevel	3	1	1	1	0.2	1.6	2.8	1.750
BackFaceCull	0	1	-1	1	0.4	2.4	0.4	0.167
ShadowL_avel	1	2	-1	-1	1.6	2.4	0.6	0.250
Refraction	3	2	1	1	1.2	1.6	1.8	1.125
Refraction	2	2	0	0	1.2	1.6	0.8	0.500

1500